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RAW SEQUENCE LISTING   DATE: 11/26/2001   PS
PATENT APPLICATION: US/09/912,414   TIME: 12:36:43

Input Set : A:\620-151.app
Output Set: N:\CRF3\11212001\I912414.raw

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```
 4 <110> APPLICANT: Muller, Rolf
 5        Kontermann, Roland E
 6        Montigiani, Silvia
 8 <120> TITLE OF INVENTION: Transcription factor E2F DNA-binding domain inhibitor
 9        peptides and their use
11 <130> FILE REFERENCE: 620-151
13 <140> CURRENT APPLICATION NUMBER: US 09/912,414
14 <141> CURRENT FILING DATE: 2001-07-26
16 <150> PRIOR APPLICATION NUMBER: PCT/GB00/00227
17 <151> PRIOR FILING DATE: 2000-01-26
19 <150> PRIOR APPLICATION NUMBER: GB 9901710.5
20 <151> PRIOR FILING DATE: 1999-01-26
22 <160> NUMBER OF SEQ ID NOS: 40
24 <170> SOFTWARE: PatentIn Ver. 2.1
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 6
28 <212> TYPE: PRT
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
33        peptide
35 <400> SEQUENCE: 1
36 Phe Trp Leu Arg Phe Thr
37    1                   5
41 <210> SEQ ID NO: 2
42 <211> LENGTH: 6
43 <212> TYPE: PRT
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
48        peptide
50 <400> SEQUENCE: 2
51 Trp Val Arg Trp His Phe
52    1                   5
56 <210> SEQ ID NO: 3
57 <211> LENGTH: 6
58 <212> TYPE: PRT
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
63        peptide
65 <400> SEQUENCE: 3
66 Trp His Phe Ile Phe Trp
67    1                   5
71 <210> SEQ ID NO: 4
72 <211> LENGTH: 15
73 <212> TYPE: PRT
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```
 74 <213> ORGANISM: Artificial Sequence
 76 <220> FEATURE:
 77 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 78      peptide
 80 <400> SEQUENCE: 4
 81 Ile Trp Leu Ser Gly Leu Ser Arg Gly Val Trp Val Ser Phe Pro
 82  1               5                  10                 15
 86 <210> SEQ ID NO: 5
 87 <211> LENGTH: 15
 88 <212> TYPE: PRT
 89 <213> ORGANISM: Artificial Sequence
 91 <220> FEATURE:
 92 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 93      peptide
 95 <400> SEQUENCE: 5
 96 Gly Ser Arg Ile Leu Thr Phe Arg Ser Gly Ser Trp Tyr Ala Ser
 97  1               5                  10                 15
101 <210> SEQ ID NO: 6
102 <211> LENGTH: 16
103 <212> TYPE: PRT
104 <213> ORGANISM: Drosophila melanogaster
106 <400> SEQUENCE: 6
107 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
108  1               5                  10                 15
112 <210> SEQ ID NO: 7
113 <211> LENGTH: 5
114 <212> TYPE: PRT
115 <213> ORGANISM: Artificial Sequence
117 <220> FEATURE:
118 <221> NAME/KEY: SITE
119 <222> LOCATION: (1)
120 <223> OTHER INFORMATION: In Claims 1 & 2, Xaa is an amino terminal or a sequence of
from 1
121      to 4 amino acids
123 <220> FEATURE:
124 <221> NAME/KEY: SITE
125 <222> LOCATION: (1)
126 <223> OTHER INFORMATION: In Claim 3, Xaa is an amino terminal or a sequence of from 1
127      to 4 amino acids each of which are selected from Gly, Ala, Ile, Leu,
128      Val, Ser, Thr, Lys, or Arg
130 <220> FEATURE:
131 <221> NAME/KEY: SITE
132 <222> LOCATION: (2)
133 <223> OTHER INFORMATION: In Claim 1, Xaa is an aromatic amino acid
135 <220> FEATURE:
136 <221> NAME/KEY: SITE
137 <222> LOCATION: (2)
138 <223> OTHER INFORMATION: In Claims 2 and 3, Xaa is Phe or Trp
140 <220> FEATURE:
141 <221> NAME/KEY: SITE
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```
     142 <222> LOCATION: (3)
     143 <223> OTHER INFORMATION: In Claims 1 & 2, Xaa is from two to four amino acids
     145 <220> FEATURE:
     146 <221> NAME/KEY: SITE
     147 <222> LOCATION: (3)
     148 <223> OTHER INFORMATION: In Claim 3, Xaa is from two to four amino acids each of
which are
     149         selected from Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg, His or Phe
     151 <220> FEATURE:
     152 <221> NAME/KEY: SITE
     153 <222> LOCATION: (4)
     154 <223> OTHER INFORMATION: In Claim 1, Xaa is an aromatic amino acid
     156 <220> FEATURE:
     157 <221> NAME/KEY: SITE
     158 <222> LOCATION: (4)
     159 <223> OTHER INFORMATION: In Claim 2, Xaa is Phe or Trp
     161 <220> FEATURE:
     162 <221> NAME/KEY: SITE
     163 <222> LOCATION: (4)
     164 <223> OTHER INFORMATION: In Claim 3, Xaa is Trp
     167 <220> FEATURE:
     168 <221> NAME/KEY: SITE
     169 <222> LOCATION: (5)
     170 <223> OTHER INFORMATION: In Claims 1 & 2, Xaa is a carboxy terminal or a sequence of
from
     171         one to four amino acids
     173 <220> FEATURE:
     174 <221> NAME/KEY: SITE
     175 <222> LOCATION: (5)
     176 <223> OTHER INFORMATION: In Claim 3, Xaa is a carboxy terminal or a sequence of from
     177         one to four amino acids each of which are selected from Gly, Ala, Ile,
     178         Leu, Val, Ser, Thr, Lys, Arg, His, Phe or Tyr
     181 <220> FEATURE:
     182 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
     183         peptide
     185 <400> SEQUENCE: 7
W--> 186 Xaa Xaa Xaa Xaa Xaa
     187   1               5
     191 <210> SEQ ID NO: 8
     192 <211> LENGTH: 6
     193 <212> TYPE: PRT
     194 <213> ORGANISM: Artificial Sequence
     196 <220> FEATURE:
     197 <221> NAME/KEY: SITE
     198 <222> LOCATION: (2)..(3), (5)..(6)
     199 <223> OTHER INFORMATION: Each Xaa is independently any amino acid
     201 <220> FEATURE:
     202 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
     203         peptide
     205 <400> SEQUENCE: 8
W--> 206 Trp Xaa Xaa Trp Xaa Xaa
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RAW SEQUENCE LISTING   DATE: 11/26/2001
PATENT APPLICATION: US/09/912,414   TIME: 12:36:43

Input Set : A:\620-151.app
Output Set: N:\CRF3\11212001\I912414.raw

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207   1                5
211 <210> SEQ ID NO: 9
212 <211> LENGTH: 6
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <221> NAME/KEY: SITE
218 <222> LOCATION: (2)..(3), (5)
219 <223> OTHER INFORMATION: Each Xaa is independently any amino acid selected
220        from Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg,
221        His, or Phe
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
225        peptide
227 <400> SEQUENCE: 9
```

W--> 228 Trp Xaa Xaa Trp Xaa Phe

```
229   1                5
233 <210> SEQ ID NO: 10
234 <211> LENGTH: 9
235 <212> TYPE: PRT
236 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
239 <221> NAME/KEY: SITE
240 <222> LOCATION: (2)..(3), (5), (7)..(8)
241 <223> OTHER INFORMATION: Each Xaa is independently any amino acid selected
242        from Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg,
243        His, or Phe
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
247        peptide
249 <400> SEQUENCE: 10
```

W--> 250 Trp Xaa Xaa Trp Xaa Phe Xaa Xaa Trp

```
251   1                5
255 <210> SEQ ID NO: 11
256 <211> LENGTH: 6
257 <212> TYPE: PRT
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <221> NAME/KEY: SITE
262 <222> LOCATION: (2)..(3)
263 <223> OTHER INFORMATION: Each Xaa is independently any amino acid selected
264        from Gly, Ala, Ile, Leu, Val, Ser, Thr, or Arg
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
268        peptide
270 <400> SEQUENCE: 11
```

W--> 271 Trp Xaa Xaa Trp His Phe

```
272   1                5
276 <210> SEQ ID NO: 12
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RAW SEQUENCE LISTING   DATE: 11/26/2001
PATENT APPLICATION: US/09/912,414   TIME: 12:36:43

Input Set : **A:\620-151.app**
Output Set: **N:\CRF3\11212001\I912414.raw**

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277 <211> LENGTH: 8
278 <212> TYPE: PRT
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <221> NAME/KEY: SITE
283 <222> LOCATION: (1)..(2), (4)..(7)
284 <223> OTHER INFORMATION: Each Xaa is independently any amino acid
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
288       peptide
290 <400> SEQUENCE: 12
```
W--> **291 Xaa Xaa Phe Xaa Xaa Xaa Xaa Trp**
```
292    1                5
296 <210> SEQ ID NO: 13
297 <211> LENGTH: 8
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <221> NAME/KEY: SITE
303 <222> LOCATION: (1)..(2), (4)..(7)
304 <223> OTHER INFORMATION: Each Xaa is independently any amino acid selected
305       from Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg,
306       His, Phe, or Tyr
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
310       peptide
312 <400> SEQUENCE: 13
```
W--> **313 Xaa Xaa Phe Xaa Xaa Xaa Xaa Trp**
```
314    1                5
318 <210> SEQ ID NO: 14
319 <211> LENGTH: 8
320 <212> TYPE: PRT
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <221> NAME/KEY: SITE
325 <222> LOCATION: (1)..(2)
326 <223> OTHER INFORMATION: Each Xaa is independently any amino acid selected
327       from Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg,
328       His, Phe, or Tyr
330 <220> FEATURE:
331 <221> NAME/KEY: SITE
332 <222> LOCATION: (5)
333 <223> OTHER INFORMATION: Xaa is independently any amino acid selected from
334       Gly, Ala, Ile, Leu, Val, Ser, Thr, Lys, Arg, His,
335       Phe, or Tyr
337 <220> FEATURE:
338 <221> NAME/KEY: SITE
339 <222> LOCATION: (6)
340 <223> OTHER INFORMATION: Xaa is independently any amino acid selected from
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Use of n and / or Xaa has been detected in the
Sequence Listing. Review the Sequence Listing
to ensure a corresponding explanation is present
in the <220> to <223> fields of each sequence
using n or Xaa

VERIFICATION SUMMARY   DATE: 11/26/2001
PATENT APPLICATION: US/09/912,414   TIME: 12:36:44

Input Set : **A:\620-151.app**
Output Set: **N:\CRF3\11212001\I912414.raw**

```
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:291 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:356 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
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